

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038200.D
 Acq On : 10 Oct 2023 14:46
 Operator : JC/MD
 Sample : 04782-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-100323

Quant Time: Oct 11 01:38:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	108820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	197066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101694	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82266	47.001	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.000%
35) Dibromofluoromethane	5.385	113	64849	45.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.740%
50) Toluene-d8	8.646	98	246100	45.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.120%#
62) 4-Bromofluorobenzene	11.079	95	92565	45.201	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.400%

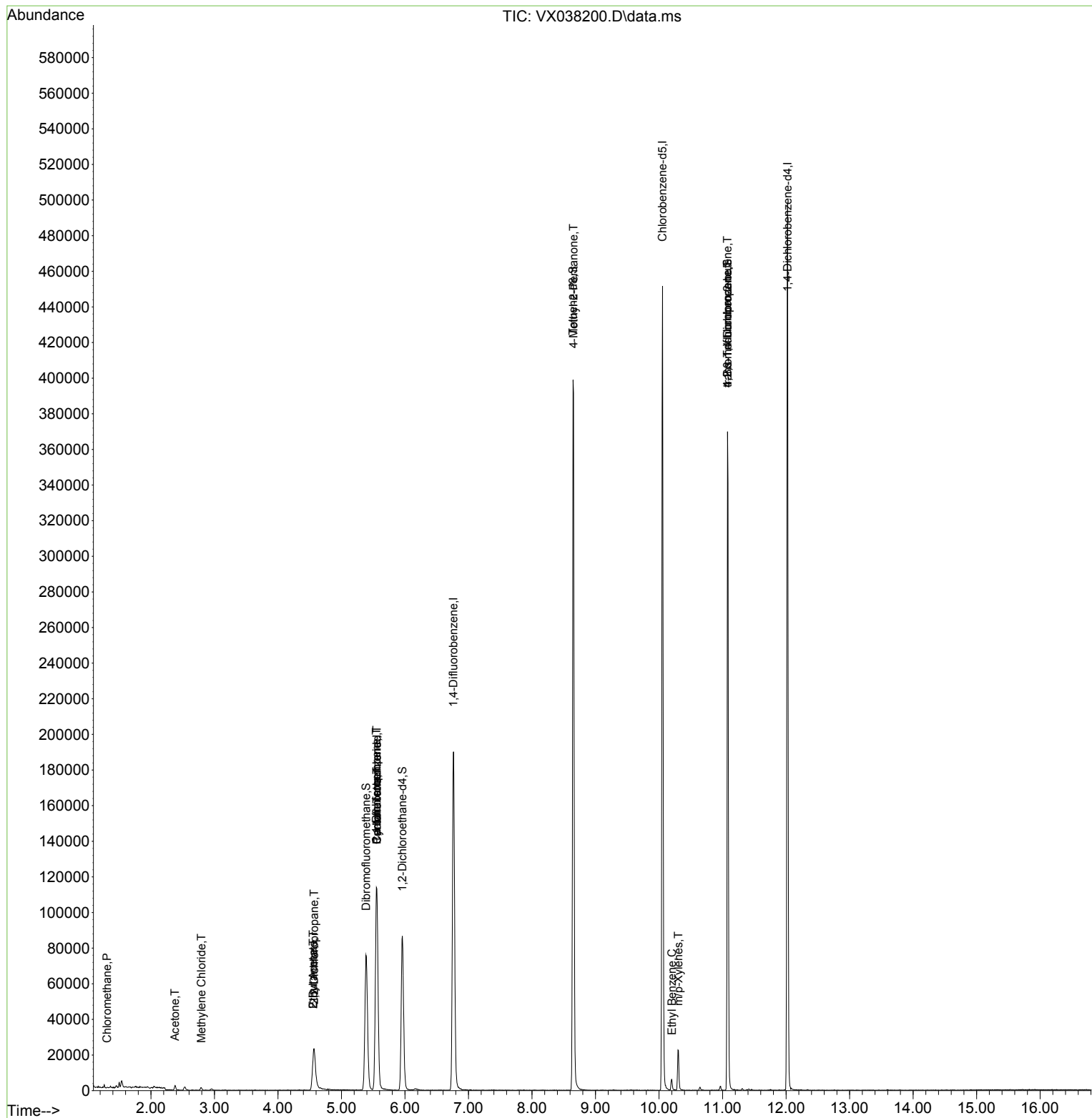
Target Compounds					Qvalue	
3) Chloromethane	1.306	50	309	0.289	ug/l	98
5) Bromomethane	1.751	94	19	Below Cal	#	3
6) Chloroethane	1.690	64	78	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	757	Below Cal	#	78
16) Acetone	2.379	43	2737	3.747	ug/l #	88
20) Methylene Chloride	2.794	84	702	0.511	ug/l #	77
25) 2-Butanone	4.556	43	756	0.641	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	2021	1.143	ug/l #	54
31) Cyclohexane	5.556	56	2809	1.481	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	9379	4.811	ug/l #	48
37) Ethyl Acetate	4.556	43	756	0.327	ug/l #	72
38) Carbon Tetrachloride	5.556	117	11902	6.207	ug/l #	16
51) 4-Methyl-2-Pentanone	8.653	43	1268	0.532	ug/l #	1
67) Ethyl Benzene	10.201	91	3998	0.543	ug/l	96
68) m/p-Xylenes	10.305	106	5637	1.981	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	51257	22.171	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51257	63.549	ug/l #	5

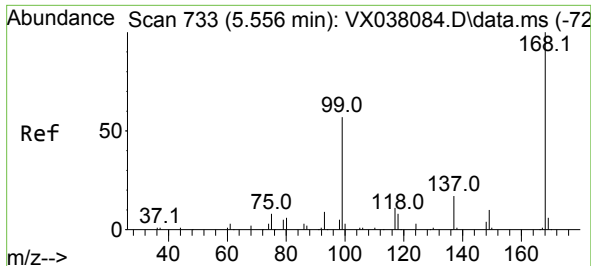
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

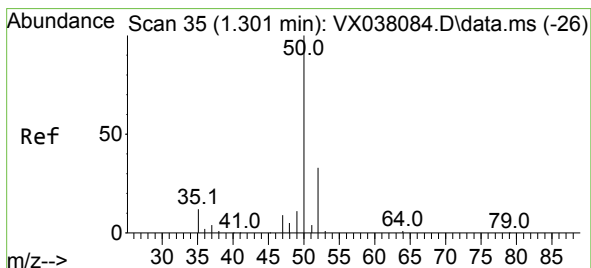
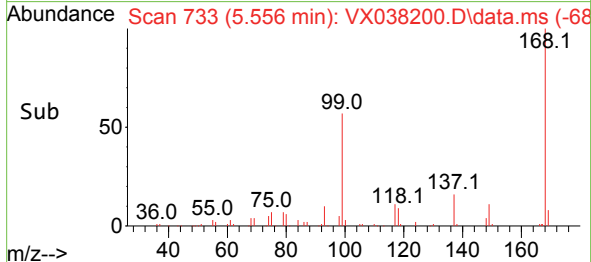
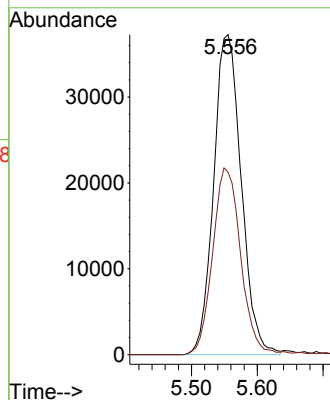
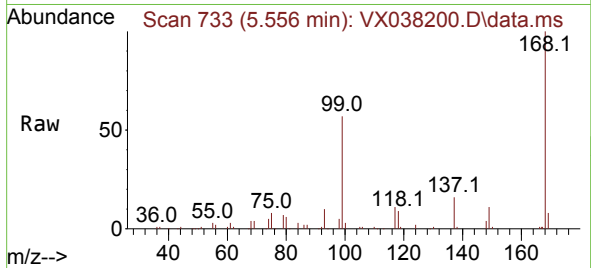




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

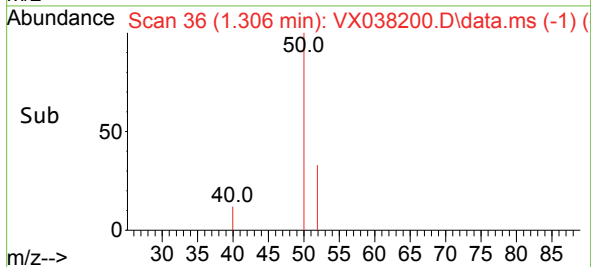
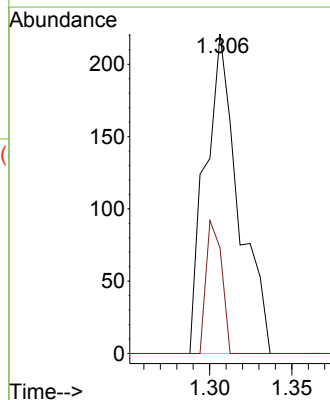
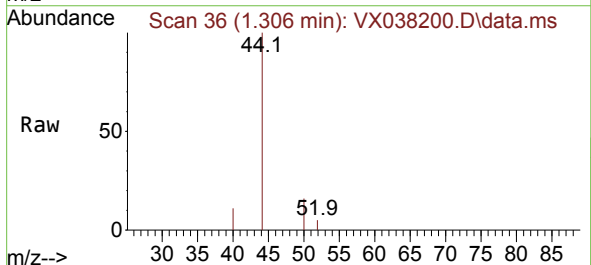
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

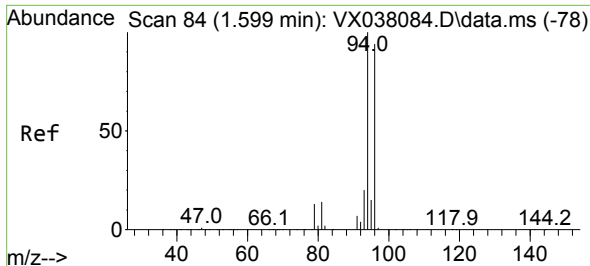
Tgt Ion:168 Resp: 108820
Ion Ratio Lower Upper
168 100
99 57.1 56.6 85.0



#3
Chloromethane
Concen: 0.289 ug/l
RT: 1.306 min Scan# 36
Delta R.T. 0.005 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 50 Resp: 309
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3

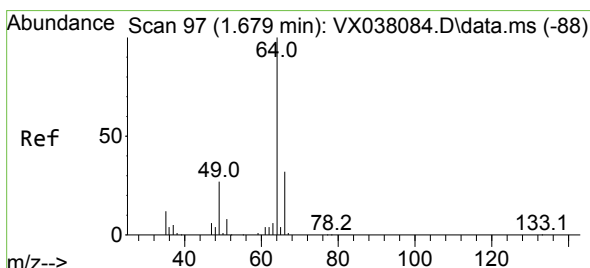
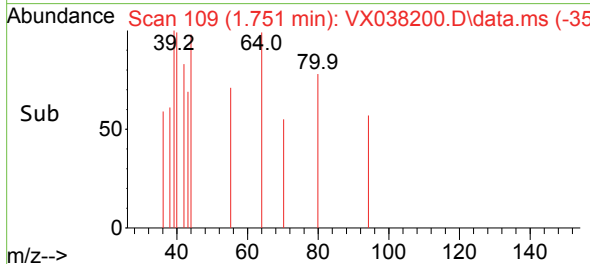
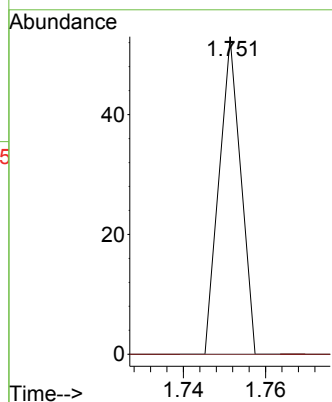
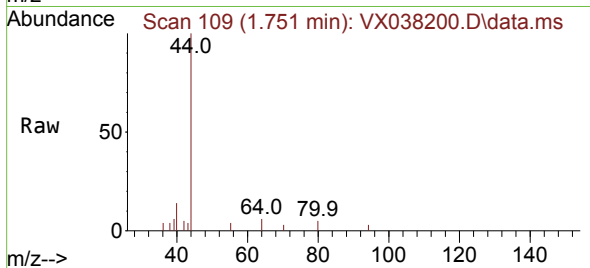




#5
Bromomethane
Concen: Below Cal
RT: 1.751 min Scan# 10
Delta R.T. 0.152 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

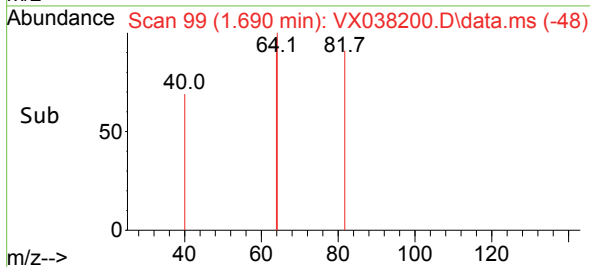
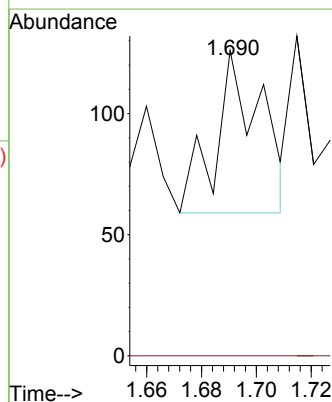
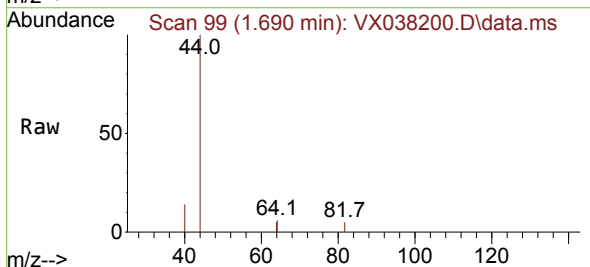
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

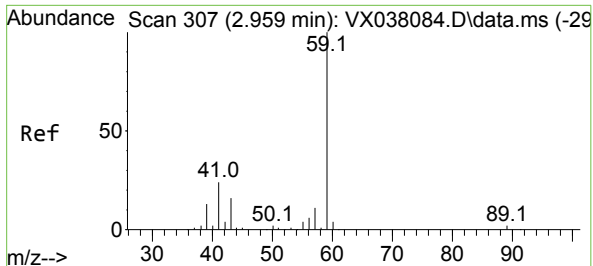
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.690 min Scan# 99
Delta R.T. 0.011 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 64 Resp: 78
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.952 min Scan# 307

Delta R.T. -0.007 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

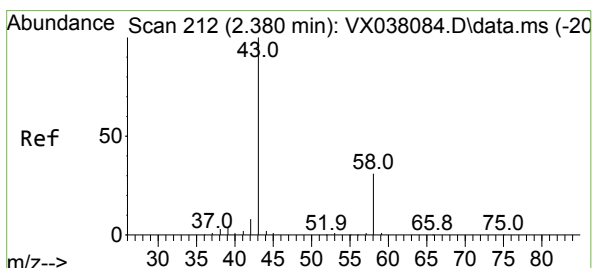
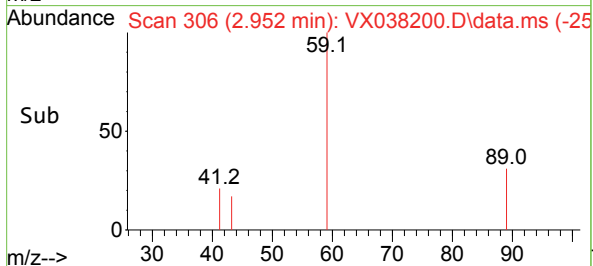
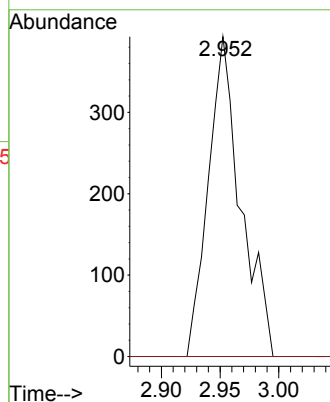
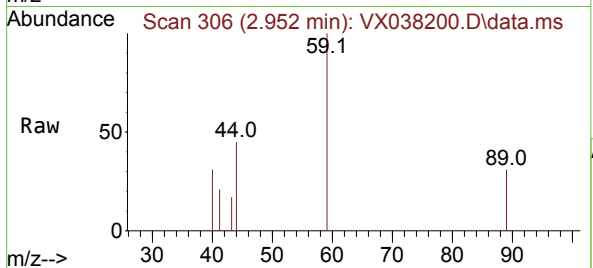
FB-100323

Tgt Ion: 59 Resp: 757

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 3.747 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.001 min

Lab File: VX038200.D

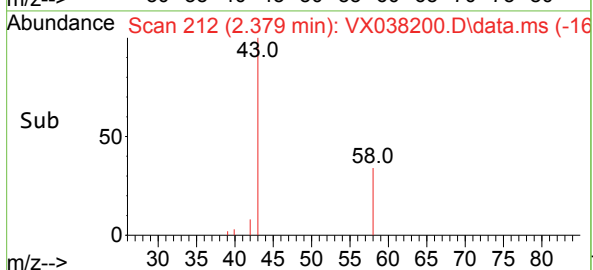
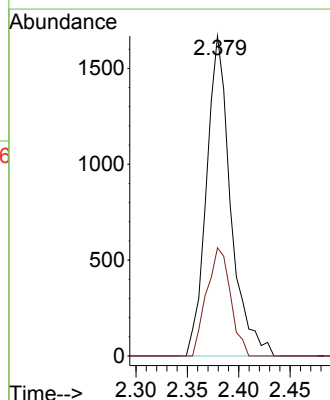
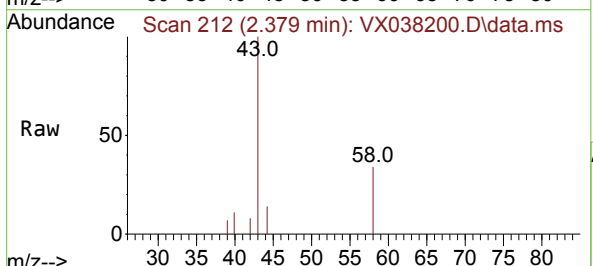
Acq: 10 Oct 2023 14:46

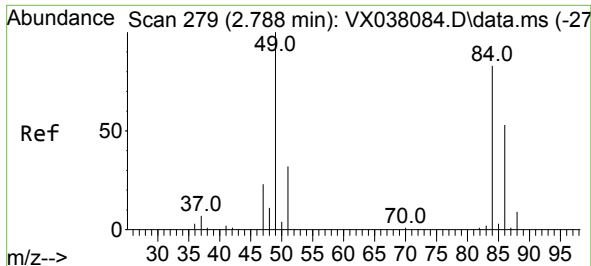
Tgt Ion: 43 Resp: 2737

Ion Ratio Lower Upper

43 100

58 33.8 21.9 32.9#



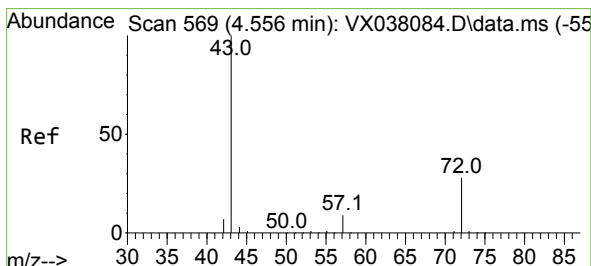
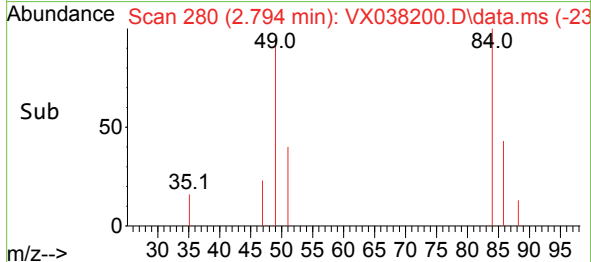
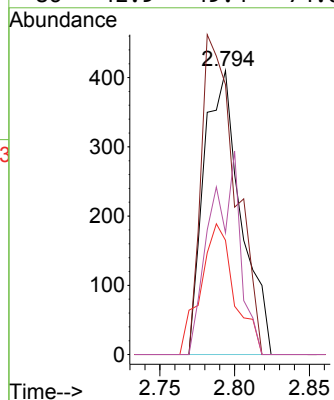
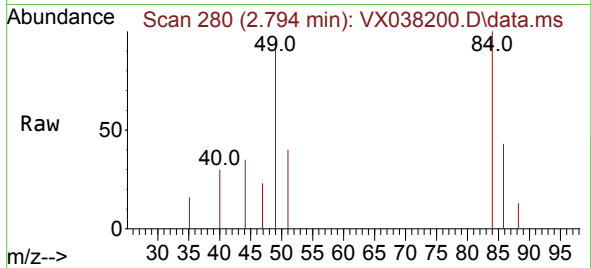


#20
Methylene Chloride
Concen: 0.511 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Instrument :
MSVOA_X
ClientSampleId :
FB-100323

Tgt Ion: 84 Resp: 702

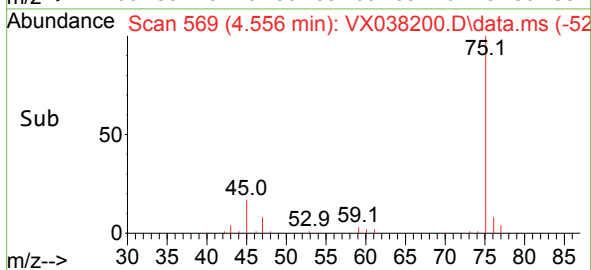
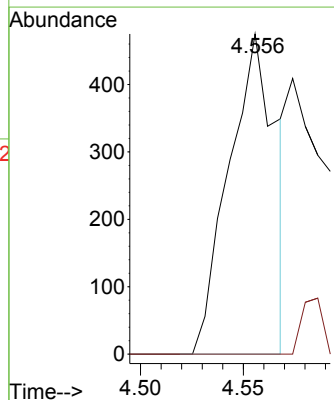
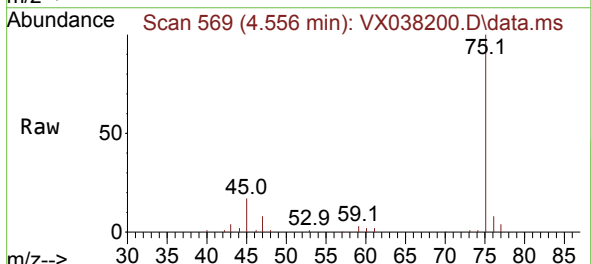
Ion	Ratio	Lower	Upper
84	100		
49	95.1	103.6	155.4#
51	40.2	33.8	50.6
86	42.9	49.4	74.0#

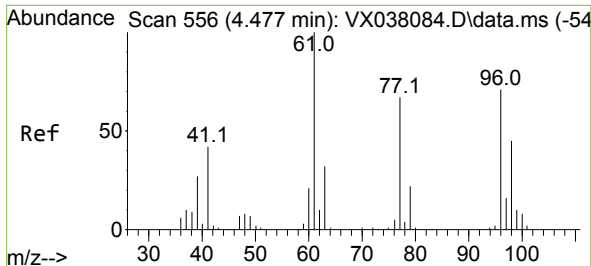


#25
2-Butanone
Concen: 0.641 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 43 Resp: 756

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#





#26

2,2-Dichloropropane

Concen: 1.143 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

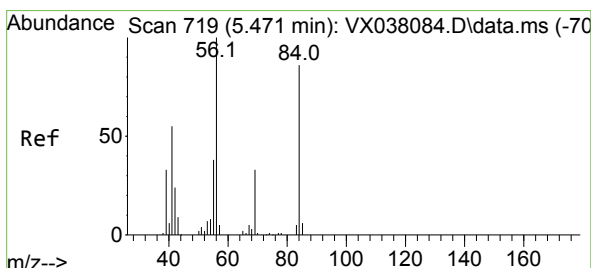
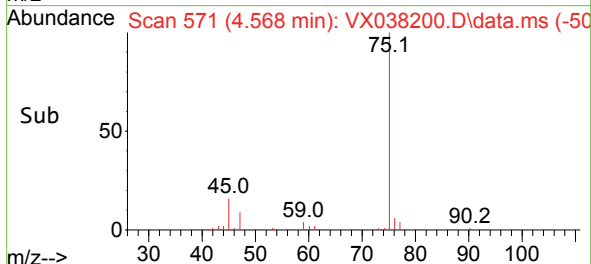
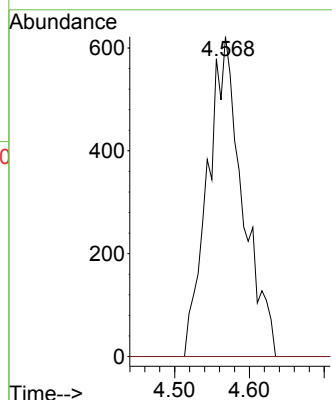
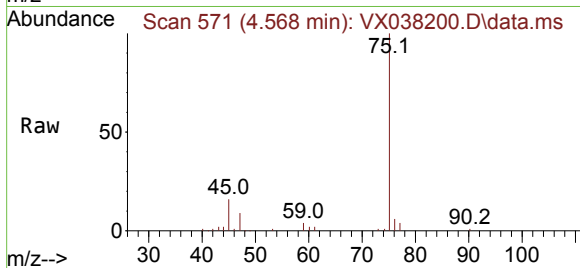
FB-100323

Tgt Ion: 77 Resp: 2021

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.481 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

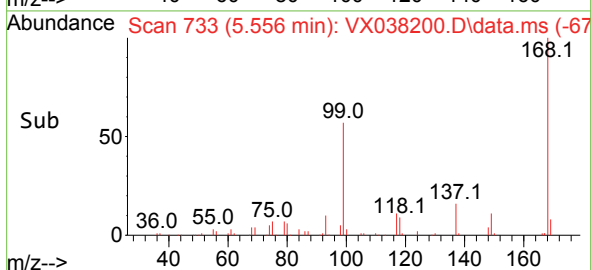
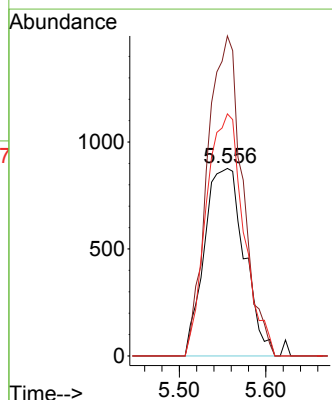
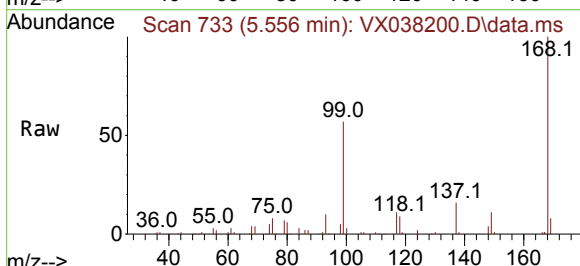
Tgt Ion: 56 Resp: 2809

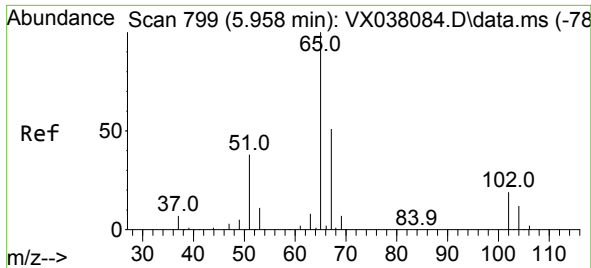
Ion Ratio Lower Upper

56 100

69 170.6 23.4 35.2#

84 129.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.001 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

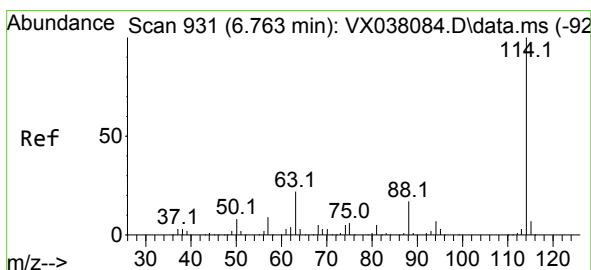
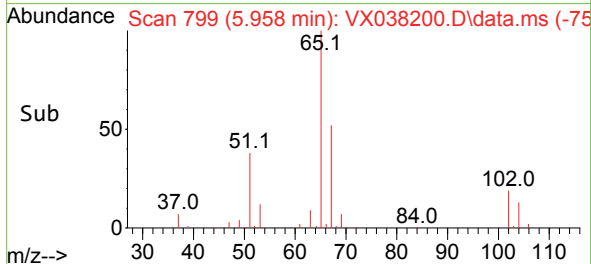
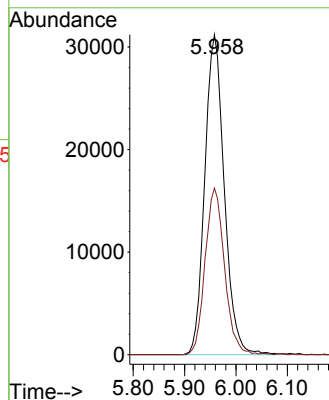
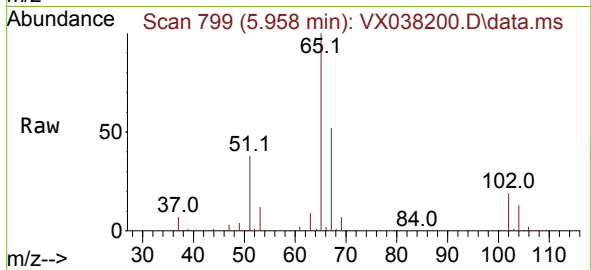
FB-100323

Tgt Ion: 65 Resp: 82266

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

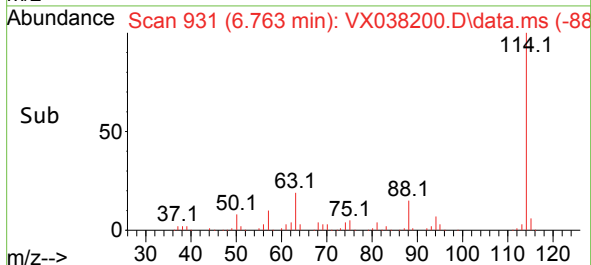
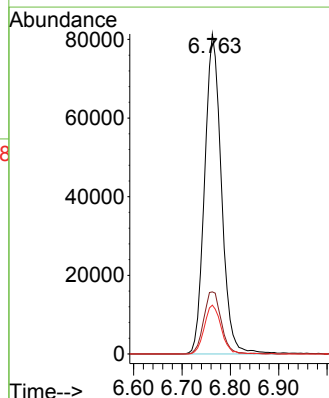
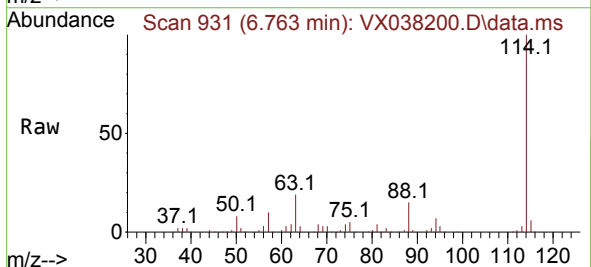
Tgt Ion: 114 Resp: 196182

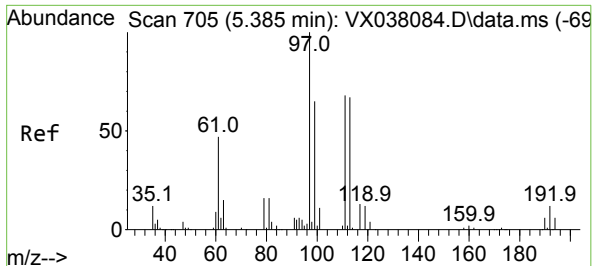
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 15.3 0.0 36.6

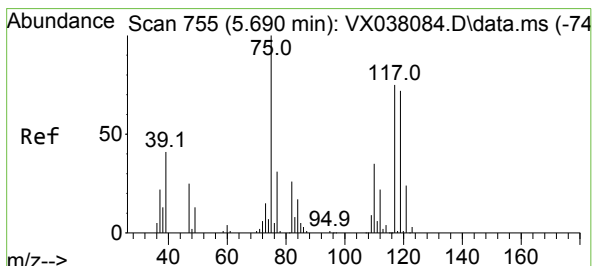
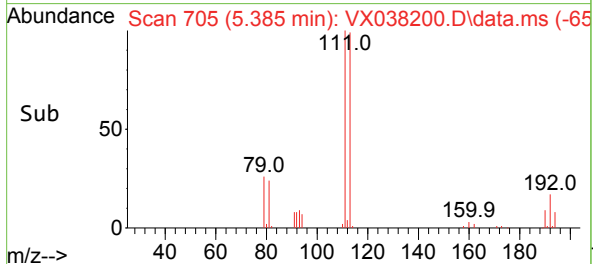
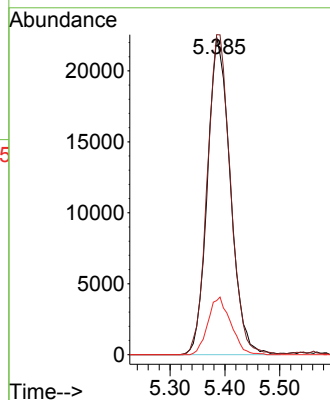
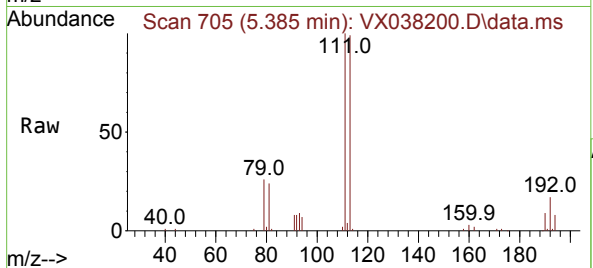




#35
Dibromofluoromethane
Concen: 45.875 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

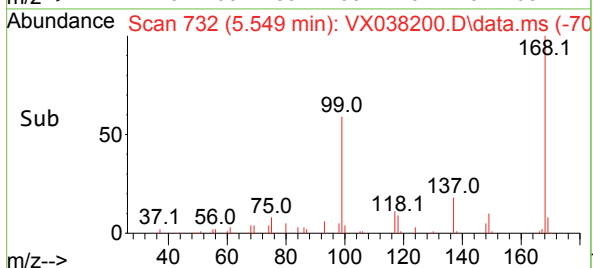
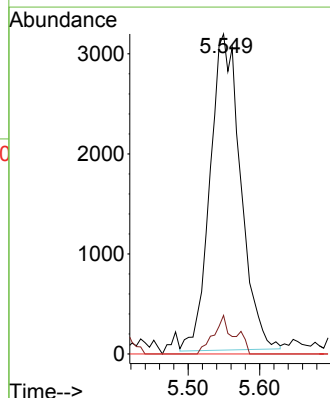
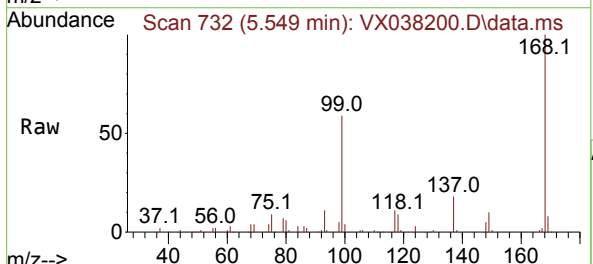
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

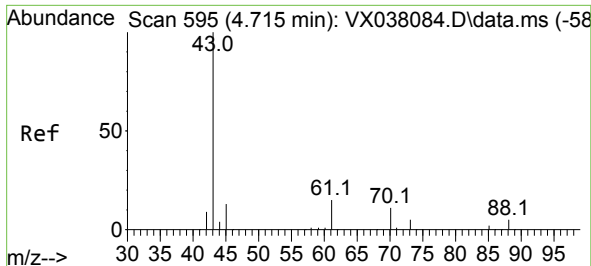
Tgt Ion:113 Resp: 64849
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 75 Resp: 9379
Ion Ratio Lower Upper
75 100
110 6.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.327 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.159 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

Instrument :

MSVOA_X

ClientSampleId :

FB-100323

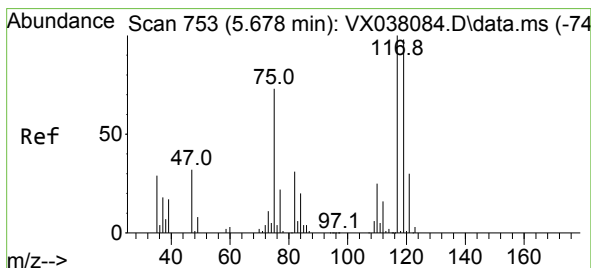
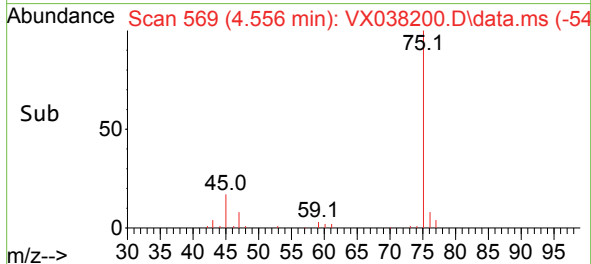
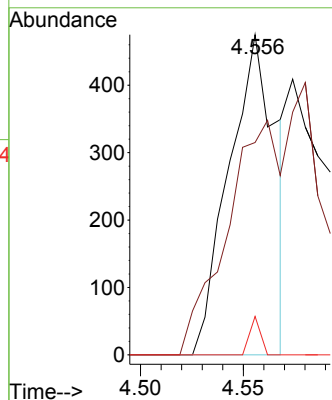
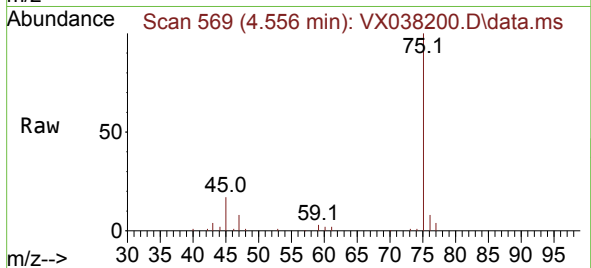
Tgt Ion: 43 Resp: 756

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 2.8 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.207 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX038200.D

Acq: 10 Oct 2023 14:46

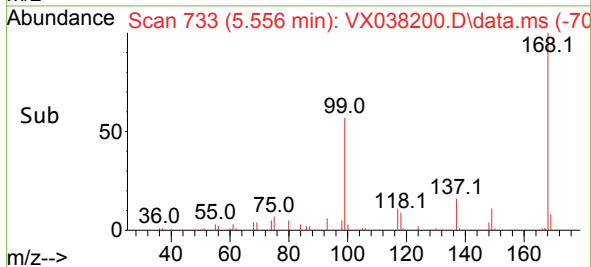
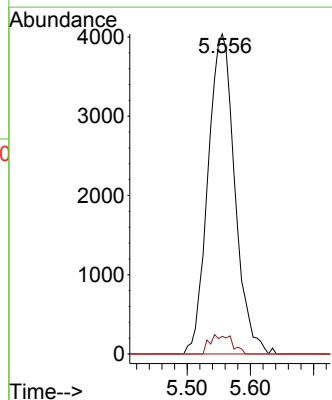
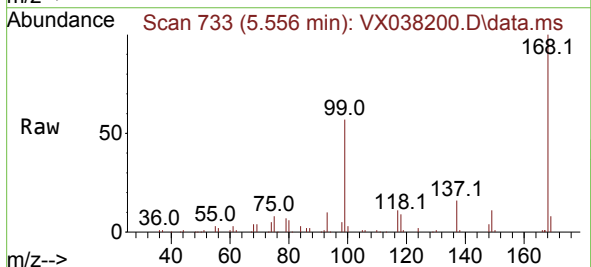
Tgt Ion: 117 Resp: 11902

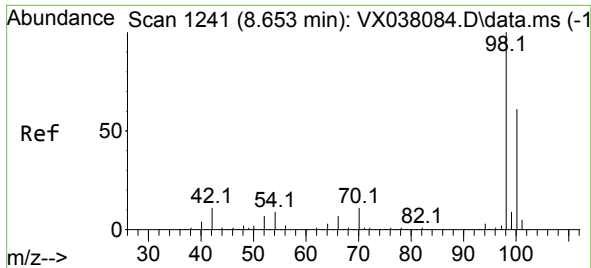
Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

121 0.0 24.4 36.6#

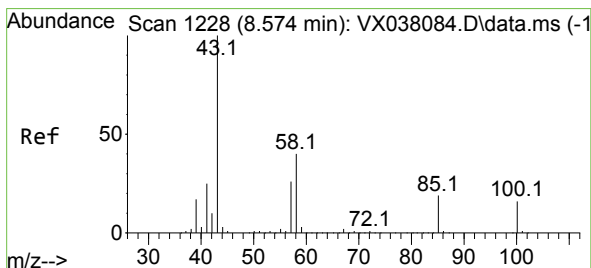
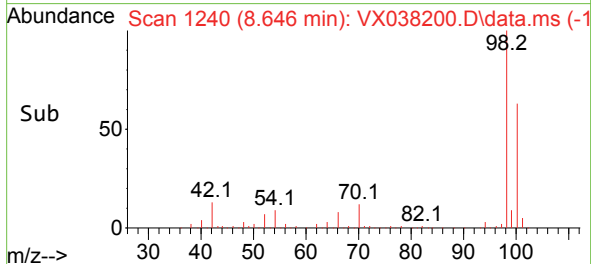
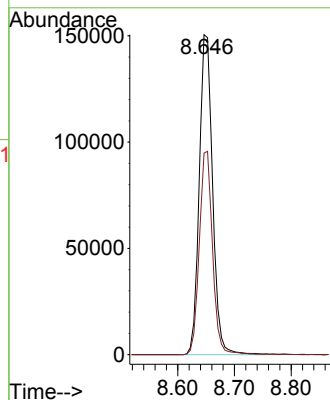
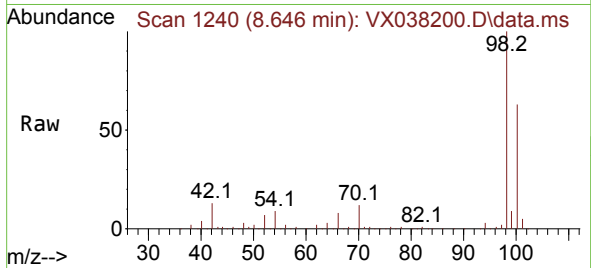




#50
Toluene-d8
Concen: 45.559 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

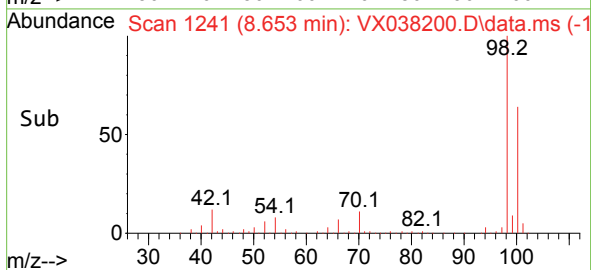
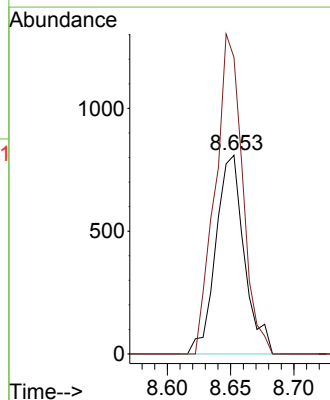
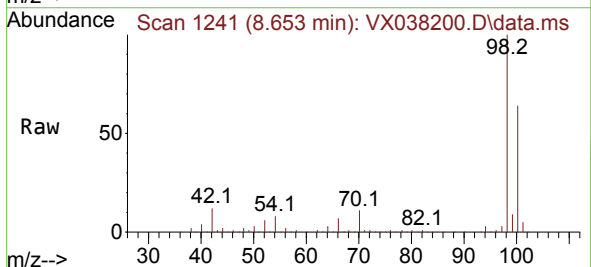
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

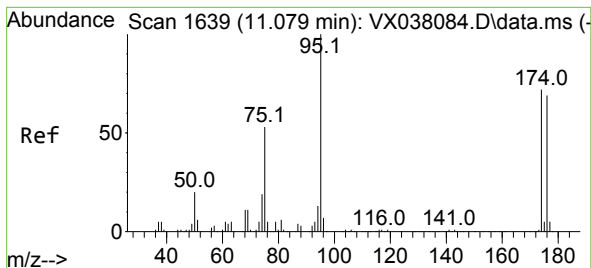
Tgt Ion: 98 Resp: 246100
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 43 Resp: 1268
Ion Ratio Lower Upper
43 100
58 154.2 30.4 45.6#

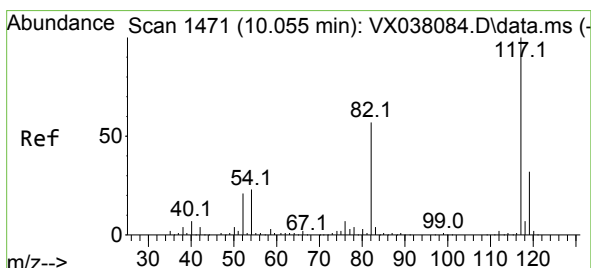
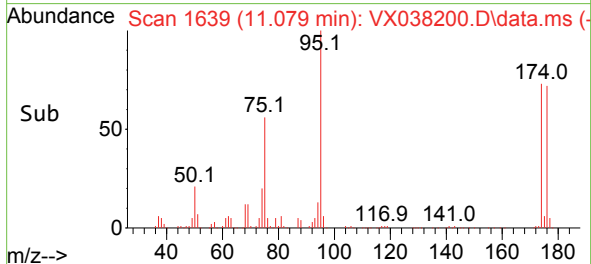
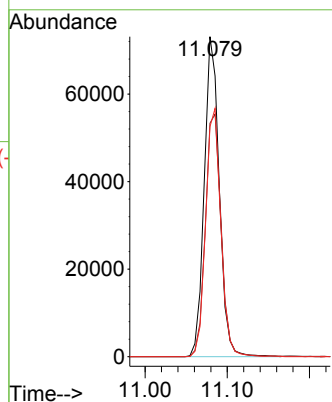
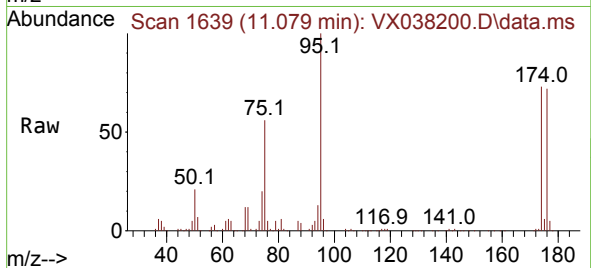




#62
4-Bromofluorobenzene
Concen: 45.201 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

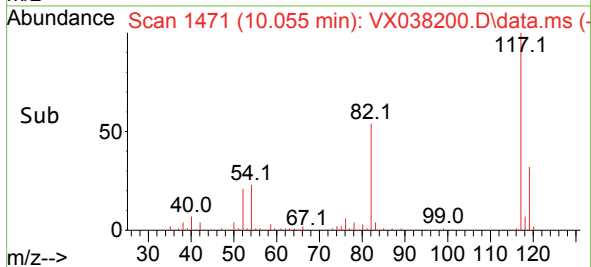
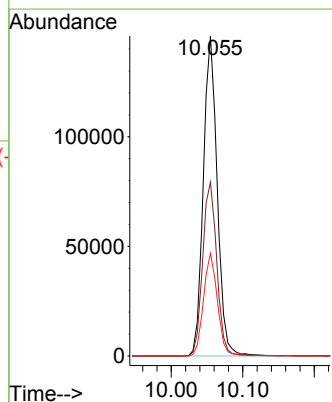
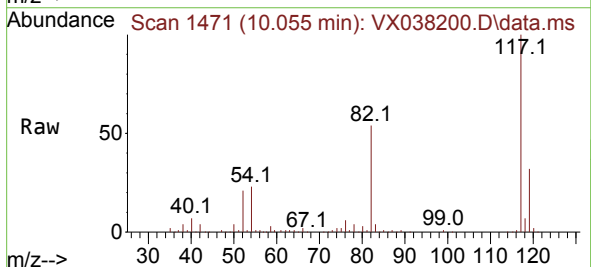
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

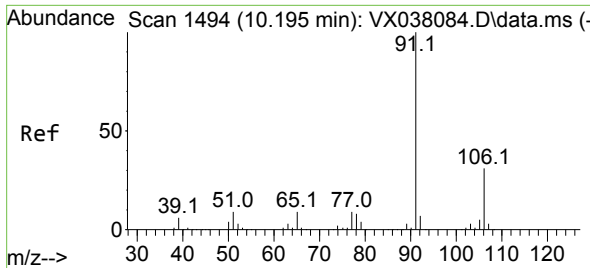
Tgt Ion: 95 Resp: 92565
Ion Ratio Lower Upper
95 100
174 79.9 0.0 135.6
176 78.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 117 Resp: 197066
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 32.1 25.5 38.3

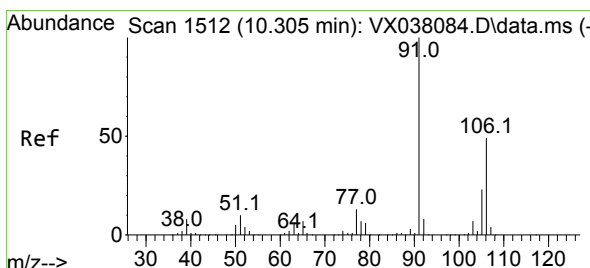
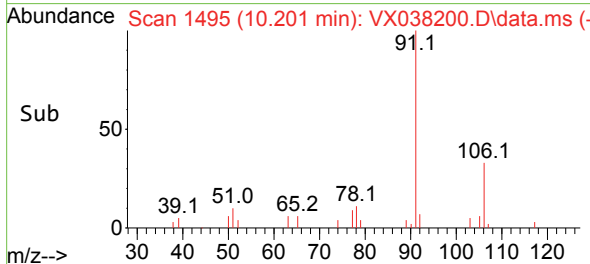
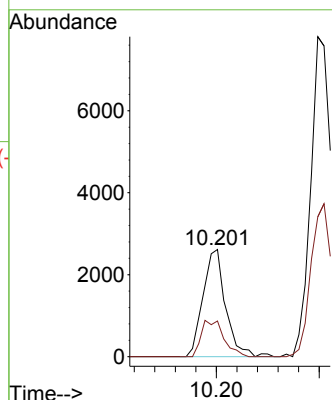
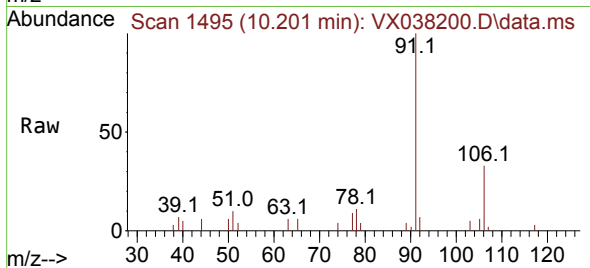




#67
Ethyl Benzene
Concen: 0.543 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

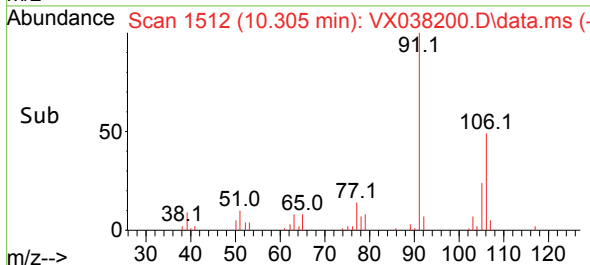
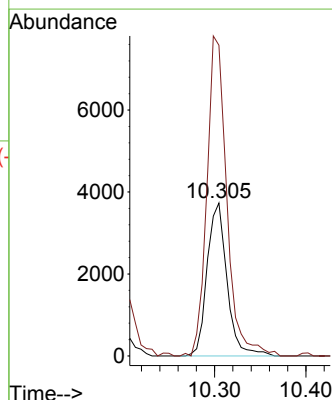
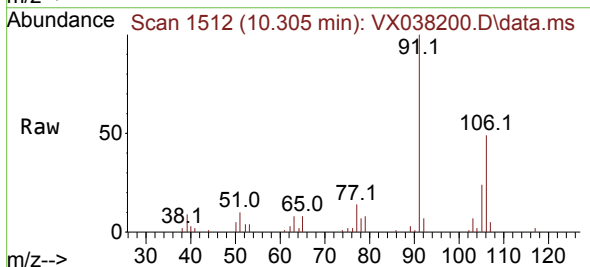
Instrument :
MSVOA_X
ClientSampleId :
FB-100323

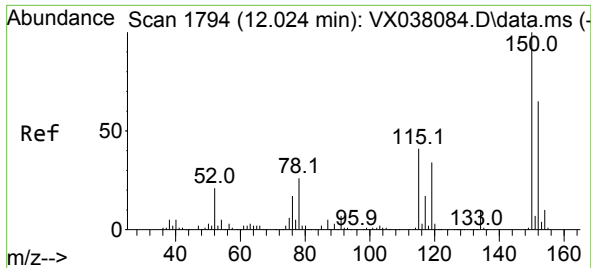
Tgt Ion: 91 Resp: 3998
Ion Ratio Lower Upper
91 100
106 33.3 24.9 37.3



#68
m/p-Xylenes
Concen: 1.981 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX038200.D
Acq: 10 Oct 2023 14:46

Tgt Ion: 106 Resp: 5637
Ion Ratio Lower Upper
106 100
91 209.3 165.5 248.3

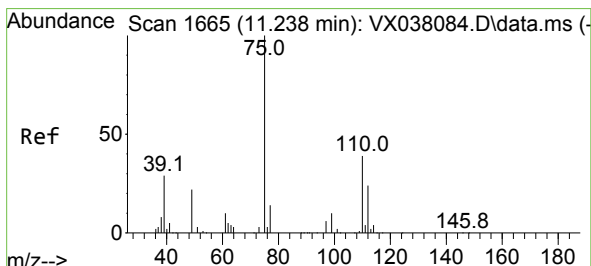
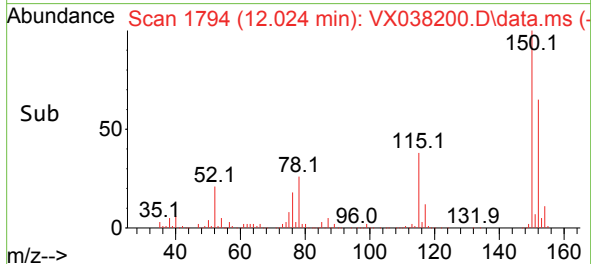
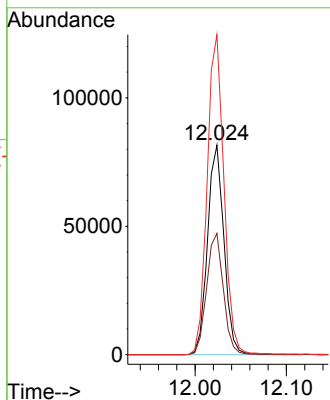
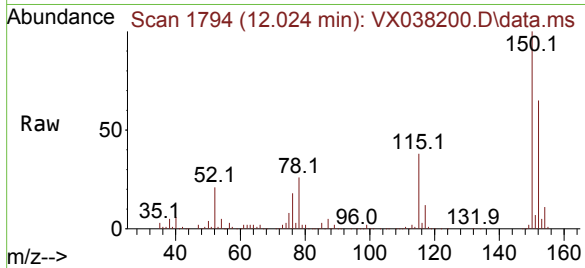




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX038200.D
 Acq: 10 Oct 2023 14:46

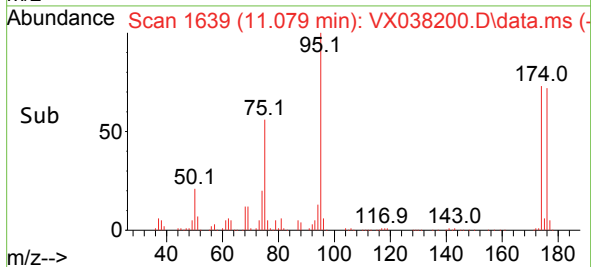
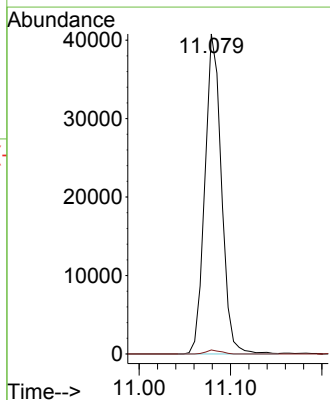
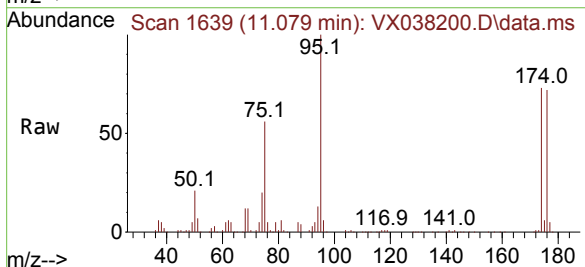
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-100323

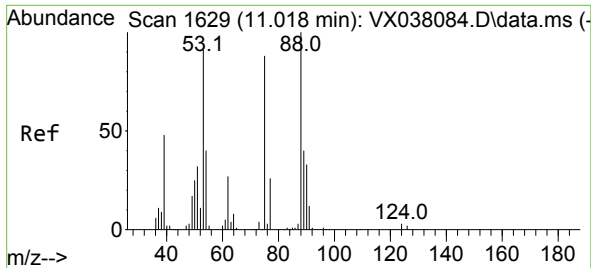
Tgt Ion:152 Resp: 101694
 Ion Ratio Lower Upper
 152 100
 115 59.0 43.3 129.9
 150 155.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.171 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038200.D
 Acq: 10 Oct 2023 14:46

Tgt Ion: 75 Resp: 51257
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.549 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038200.D
 Acq: 10 Oct 2023 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-100323

Tgt Ion: 75 Resp: 51257
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

